RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/524,970A
Source:	/FW/b,
Date Processed by STIC:	6/14/06
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IFW16

RAW SEQUENCE LISTING DATE: 06/14/2006 PATENT APPLICATION: US/10/524,970A TIME: 09:28:22

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Output Set: N:\CRF4\06142006\J524970A.raw

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3 <110> APPLICANT: IRIMURA, TATSURO
        MAENUMA, KEISUKE
        KOMATSU, KUNIMITSU
5
        TACHIKI, AYUMI
6
        MATSUMOTO, MARIKO
9 <120> TITLE OF INVENTION: USE OF LECTIN LIBRARY FOR DISTINGUISHING GLYCOPROTEINS
        OR CELLS, DIAGNOSING SERUM OR CELLS, OR FRACTIONATING
10
11
        GLYCOPROTEINS OR CELLS
13 <130> FILE REFERENCE: 62870(70232)
15 <140> CURRENT APPLICATION NUMBER: 10/524,970A
16 <141> CURRENT FILING DATE: 2005-08-18
18 <150> PRIOR APPLICATION NUMBER: PCT/JP03/10461
19 <151> PRIOR FILING DATE: 2003-08-19
21 <150> PRIOR APPLICATION NUMBER: JP 2002-239979
22 <151> PRIOR FILING DATE: 2002-08-20
24 <160> NUMBER OF SEQ ID NOS: 40
26 <170> SOFTWARE: PatentIn Ver. 3.3
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42 ttc tta act ttc ttc ctt ttg cta ctc aac aac gta aac tca tca gat
43 Phe Leu Thr Phe Phe Leu Leu Leu Leu Asn Asn Val Asn Ser Ser Asp
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46 gag ctt tct ttt acc atc aac aat ttc atg cca aat caa ggc gat cta
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47 Glu Leu Ser Phe Thr Ile Asn Asn Phe Met Pro Asn Gln Gly Asp Leu
48
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                                    40
                                                         45
50 ctc ttc caa ggt gta gcc act gtt tca cca aca ggg gta tta caa ctt
                                                                      192
51 Leu Phe Gln Gly Val Ala Thr Val Ser Pro Thr Gly Val Leu Gln Leu
            50
                                55
54 acc agc gaa gaa aac ggt caa ccc ctg gag tat tct gtt ggc aga gct
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55 Thr Ser Glu Glu Asn Gly Gln Pro Leu Glu Tyr Ser Val Gly Arg Ala
                            70
                                                75
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58 cta tat act gcc cct gtg cgc att tgg gac agt acc act ggc gcc gta
59 Leu Tyr Thr Ala Pro Val Arg Ile Trp Asp Ser Thr Thr Gly Ala Val
60 80
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PATENT APPLICATION: US/10/524,970A TIME: 09:28:22

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Output Set: N:\CRF4\06142006\J524970A.raw

	_	_								gtt Val 105							336
										gca Ala							384
										gga Gly							432
										gta Val							480
79										aat Asn							528
										act Thr 185							576
				_	_		_			acc Thr			-				624
	_			_			_			tcc Ser							672
										atc Ile							720
99		Gly					Thr			cct Pro		Ala					768
	3 Ası					Sei					: Let					c cct r Pro	816
10°	7 Ala 3	a Ās	y Va	l As _l 27!	Ası 5	n Ası	n Va.	His	3 Ile 280		a Arg	ту:	r Thi	28!	a 5		858
110 tgatctcgtg agctttcgta tgtattaggt gtttatgtaa attaaataaa aatgacctga 918 112 aataatggtt atcggcgcag ctatacaaaa at 950 115 <210> SEQ ID NO: 2 116 <211> LENGTH: 285 117 <212> TYPE: PRT																	
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122 124	2 : 1 Le	1		e Phe	! e Lei	5			ı Ası	10 n Ası)				1! r Asj		
125 127 128	7 Lei	ı Sei	r Phe		-	e Ası	n Ası	n Phe			Ası	ı Glı	n Gly 49	y Ası		u Leu	

RAW SEQUENCE LISTING DATE: 06/14/2006
PATENT APPLICATION: US/10/524,970A TIME: 09:28:22

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Output Set: N:\CRF4\06142006\J524970A.raw

130 Phe Gln Gly Val Ala Thr Val Ser Pro Thr Gly Val Leu Gln Leu Thr 133 Ser Glu Glu Asn Gly Gln Pro Leu Glu Tyr Ser Val Gly Arg Ala Leu 70 136 Tyr Thr Ala Pro Val Arg Ile Trp Asp Ser Thr Thr Gly Ala Val Ala 85 139 Ser Phe Ser Thr Ser Phe Thr Phe Val Val Lys Ala Ala Arg Gly Ala 100 105 142 Ser Asp Gly Leu Ala Phe Phe Leu Ala Pro Pro Asp Ser Gln Ile Pro 120 143 115 145 Ser Gly Ser Val Ser Lys Tyr Leu Gly Leu Phe Asn Asn Ser Asn Ser 135 148 Asp Ser Ser Asn Gln Ile Val Ala Val Glu Phe Asp Thr Tyr Phe Gly 150 155 151 His Ser Tyr Asp Pro Trp Asp Pro Asn Tyr Arg His Ile Gly Ile Asp 165 170 154 Val Asn Gly Ile Glu Ser Ile Lys Thr Val Gln Trp Asp Trp Ile Asn 180 185 157 Gly Gly Val Ala Phe Ala Thr Ile Thr Tyr Leu Ala Pro Asn Lys Thr 195 200 160 Leu Ile Ala Ser Leu Val Tyr Pro Ser Asn Gln Thr Ser Phe Ile Val 215 163 Ala Ala Ser Val Asp Leu Lys Gly Ile Leu Pro Glu Trp Val Arg Val 230 235 166 Gly Phe Ser Ala Ala Thr Gly Ala Pro Lys Ala Val Glu Thr His Asp 245 250 169 Val Arg Ser Trp Ser Phe Thr Ser Thr Leu Glu Ala Asn Ser Pro Ala 170 260 265 172 Asp Val Asp Asn Asn Val His Ile Ala Arg Tyr Thr Ala 275 280 177 <210> SEQ ID NO: 3 178 <211> LENGTH: 32 179 <212> TYPE: DNA 180 <213> ORGANISM: Artificial Sequence 182 <220> FEATURE: 183 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 184 primer 186 <400> SEQUENCE: 3 187 ccgggtacct gcactagtag atagatgagc tc 32 190 <210> SEQ ID NO: 4 191 <211> LENGTH: 32 192 <212> TYPE: DNA 193 <213> ORGANISM: Artificial Sequence 195 <220> FEATURE: 196 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer 199 <400> SEQUENCE: 4 32 200 gageteatet atetaetagt geaggtacee gg 203 <210> SEQ ID NO: 5

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PATENT APPLICATION: US/10/524,970A TIME: 09:28:22

Input Set : A:\62870702.APP

Output Set: N:\CRF4\06142006\J524970A.raw

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DATE: 06/14/2006

TIME: 09:28:22

Input Set : A:\62870702.APP Output Set: N:\CRF4\06142006\J524970A.raw 274 <211> LENGTH: 59 275 <212> TYPE: DNA 276 <213> ORGANISM: Artificial Sequence 278 <220> FEATURE: 279 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer 280 282 <220> FEATURE: 283 <221> NAME/KEY: modified base 284 <222> LOCATION: (37)..(38) 285 <223> OTHER INFORMATION: a, c, g, t, or u 287 <400> SEQUENCE: 10 W--> 288 ctacaagatc taacatcgtg ggtttcaact gctttmnnag gagcacccgt ggcagcaga 59 291 <210> SEQ ID NO: 11 292 <211> LENGTH: 59 293 <212> TYPE: DNA 294 <213> ORGANISM: Artificial Sequence 296 <220> FEATURE: 297 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 298 primer 300 <220> FEATURE: 301 <221> NAME/KEY: modified_base 302 <222> LOCATION: (40)..(41) 303 <223> OTHER INFORMATION: a, c, g, t, or u 305 <400> SEQUENCE: 11 W--> 306 ctacaagatc taacatcgtg ggtttcaact gctttaggmn nagcacccgt ggcagcaga 59 309 <210> SEQ ID NO: 12 310 <211> LENGTH: 59 311 <212> TYPE: DNA 312 <213> ORGANISM: Artificial Sequence 314 <220> FEATURE: 315 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 316 primer 318 <220> FEATURE: 319 <221> NAME/KEY: modified_base 320 <222> LOCATION: (44)..(45) 321 <223> OTHER INFORMATION: a, c, g, t, or u 323 <400> SEQUENCE: 12 W--> 324 ctacaagatc taacatcggt gggtttcaac tgctttagga gcmnnaccgt ggcagcaga 59 327 <210> SEQ ID NO: 13 328 <211> LENGTH: 59 329 <212> TYPE: DNA 330 <213> ORGANISM: Artificial Sequence 332 <220> FEATURE: 333 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer 336 <400> SEQUENCE: 13 337 ctacaagatc taacatcgtg ggtttcaaaa actgctttag gagcacccgt ggcagcaga 59 340 <210> SEQ ID NO: 14 341 <211> LENGTH: 59

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/524,970A

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/14/2006 PATENT APPLICATION: US/10/524,970A TIME: 09:28:23

Input Set : A:\62870702.APP

Output Set: N:\CRF4\06142006\J524970A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; N Pos. 34,35 Seq#:10; N Pos. 37,38 Seq#:11; N Pos. 40,41 Seq#:12; N Pos. 44,45 Seq#:32; N Pos. 19,20,22,23,28,29,3

Seq#:32; N Pos. 19,20,22,23,28,29,31,32,37,38,40,41

Seq#:37; Xaa Pos. 10

Seq#:39; Xaa Pos. 4,5,7,8,10,11

VERIFICATION SUMMARY DATE: 06/14/2006 PATENT APPLICATION: US/10/524,970A TIME: 09:28:23

Input Set : A:\62870702.APP

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Output Set: N:\CRF4\06142006\J524970A.raw

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